

SEQUENCE LISTING

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Anderson, David C
Stricklin, George P
Welgus, Howard G

<120> Human Collagenase Inhibitor, Recombinant Vector System
For Using Same And Recombinant-DNA Method For
Manufacture Of Same

<130> Serial No. 09/452,817

B21
<140> 09/452,817
<141> 1999-12-01

<150> 08/474,553
<151> 1995-06-07

<150> 08/050,739
<151> 1993-04-21

<150> 07/853,018
<151> 1992-03-18

<150> 07/517,475
<151> 1990-05-01

<150> 07/320,923
<151> 1989-03-08

<150> 06/784,319
<151> 1985-10-04

<150> 06/699,181
<151> 1985-02-05

<160> 20

<170> PatentIn Ver. 2.0

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 20 25 30

Thr Leu Tyr Gln Arg Tyr Glu Ile Lys Met Thr Lys Met Tyr Lys Gly³⁵
 35 40 45

Phe Gln Ala Leu Gly Asp Ala Ala Asp Ile Arg Phe Val Tyr Thr Pro⁵⁰
 50 55 60

Ala Met Glu Ser Val Cys Gly Tyr Phe His Arg Ser His Asn Arg Ser⁶⁵
 65 70 75 80

Glu Glu Phe Leu Ile Ala Gly Lys Leu Gln Asp Gly Leu Leu His Ile⁸⁵
 85 90 95

B21
 Thr Thr Cys Ser Phe Val Ala Pro Trp Asn Ser Leu Ser Leu Ala Gln¹⁰⁰
 100 105 110 111

Arg Arg Gly Phe Thr Lys Thr Tyr Thr Val Gly Cys Glu Glu Cys Thr¹¹⁵
 115 120 125 128

Val Phe Pro Cys Leu Ser Ile Pro Cys Lys Leu Gln Ser Gly Thr His
 130 135 140

Cys Leu Trp Thr Asp Gln Leu Leu Gln Gly Ser Glu Lys Gly Phe Gln
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Ser Arg His Leu Ala Cys Leu Pro Arg Glu Pro Gly Leu Cys Thr Trp
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Gln Ser Leu Arg Ser Gln Ile Ala
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<213> Homo sapiens

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 20 25 30

Thr Leu Tyr Gln Arg Tyr Glu Ile Lys Met Thr Lys Met Tyr Lys Gly
35 40 45

Phe Gln Ala Leu Gly Asp Ala Ala Asp Ile Arg Phe Val Tyr Thr Pro
50 55 60

Ala Met Glu Ser Val Cys Gly Tyr Phe His Arg Ser His Asn Arg Ser
65 70 75 80

Glu Glu Phe Leu Ile Ala Gly Lys Leu Gln Asp Gly Leu Leu His Ile
85 90 95

Thr Thr Cys Ser Phe Val Ala Pro Trp Asn
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<213> Homo sapiens

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20 25 30

Asp Ser Pro Ser Arg Ala
35

<210> 4
<211> 22
<212> PRT
<213> Homo sapiens

<400> 4
Met Ala Leu Phe Asp Pro Trp Leu Leu His Pro Val Val Ala Val Ala
1 5 10 15

Asp Ser Pro Ser Arg Ala
20

<210> 5
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<212> DNA

B21
25/26/2008
10:30 AM

<213> Homo sapiens

<400> 5

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aaccagacca cttatacca gcgttatgag atcaagatga ccaagatgta taaaagggttc 180
caagccttag gggatgccgc tgacatccgg ttctgttaca cccccgcat ggagagtgtc 240
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tttccctgtt tatccatccc ctgcaaactg cagagtggca ctcattgtt gtggacggac 480
cagctcctcc aaggctctga aaagggttc cagtcccgac accttgcctg cctgcctcg 540
gagccaggc tgcgtcaccc gcagtcctg cggtcccaaga tagcctgaat cctgcccgg 600
gtggaagctg aagcctgcac agtgcaccc ctgttccac tcccatctt cttccggaca 660
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<210> 6

<211> 432

<212> DNA

<213> Homo sapiens

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tgtgtccac cccacccaca gacggccttc tgcaattccg acctcgatc cagggccaag 180
ttcgtggggc caccagaatg caaccagacc accttataacc agcgatgtgatcaagatg 240
accaagatgt ataaagggtt ccaagccta gggatgccc ctgacatccg gttcgtctac 300
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actcatgtgt tttggacggc ccagtcctc caaggctctg aaaagggtt ccagtcctgt 600
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<210> 7

<211> 780

<212> DNA

<213> Homo sapiens

<400> 7

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tgtgtccac cccacccaca gacggccttc tgcaattccg acctcgatc cagggccaag 180
ttcgtggggc caccagaatg caaccagacc accttataacc agcgatgtgatcaagatg 240
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caccttgcct gcctgcctcg ggagccaggc ctgtgcaccc ggcagtcctt gcggtccct 660

atagcctgaa tcctgcccgg agtggaagct gaaggctgca cagtgtccac cctgttcccc 720
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<210> 8
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
5'-end of human TIMP-1 using preferred yeats
codons; + strand

<400> 8
gatccgtgca cttgtgttcc accacaccca caaactgctt tctgtaactc tgacc 55

B21
<210> 9
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
5'-end of human TIMP-1 using preferred yeast
codons; - strand

<400> 9
aggtcagagt tacagaaagc agtttgtgg ttgtggtaaa cacaagtgcg cg 52

<210> 10
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

<400> 10
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tctgcaactc tgacc 75

<210> 11
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

B2

<400> 11
aggtcagagt tgcagaaaggc agtctgcggg tgccggcgaa cgcaagtgc cattttttac 60
actccgatcg cg 72

<210> 12
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
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<400> 12
gatccgcgat cgaggatgttaa gaaatgtgc cttgtc 35

<210> 13
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 13
ggaacgcaga tgcacatttc ttacactccg atcgcg 36

<210> 14
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 14
gttccgcgcg atccgcagac tgctttctgc aactctgacc 40

<210> 15
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oligonucleotide

<400> 15
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36

<210> 16
<211> 9
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

<400> 16
aattggcag

9

B2
<210> 17
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

<400> 17
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9

<210> 18
<211> 138
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: artificial
OmpA leader sequence

<400> 18
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aatgaaaaag acagctatcg cgatcgagt ggcactggct ggttcgcta ccgttagcga 120
ggcctctggtaaaaagctt 138

<210> 19
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

<400> 19
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15

<210> 20
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

B D'
come
<400> 20
ggcctgg

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